

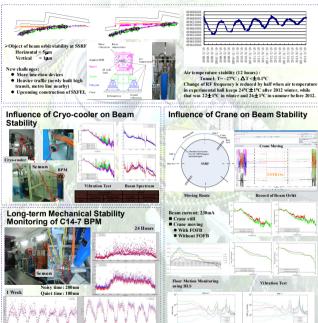
Mechanical Stability Monitoring for Storage Ring Key Components at SSRF

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Abstract

Beam orbit stability is one of the most important requirements for synchrotron radiation facilities, while mechanical subdity of key components in storage ring is essential to beam orbit sability. The mechanical related behammen after many influence the beam onto itsulfity are observed during the operation, such as the vibration generated by cyn-cooler, the change of ring circumference. The mechanical stability monitoring for BM, magnet, storage floor, as well as influence of cross running on beam subtility are described. Possible measures are not as deskussed and suggested to improve the keam orbit stability.



Beam Spectrum

 Crane moving affects beam orbit, but beam orbit stability